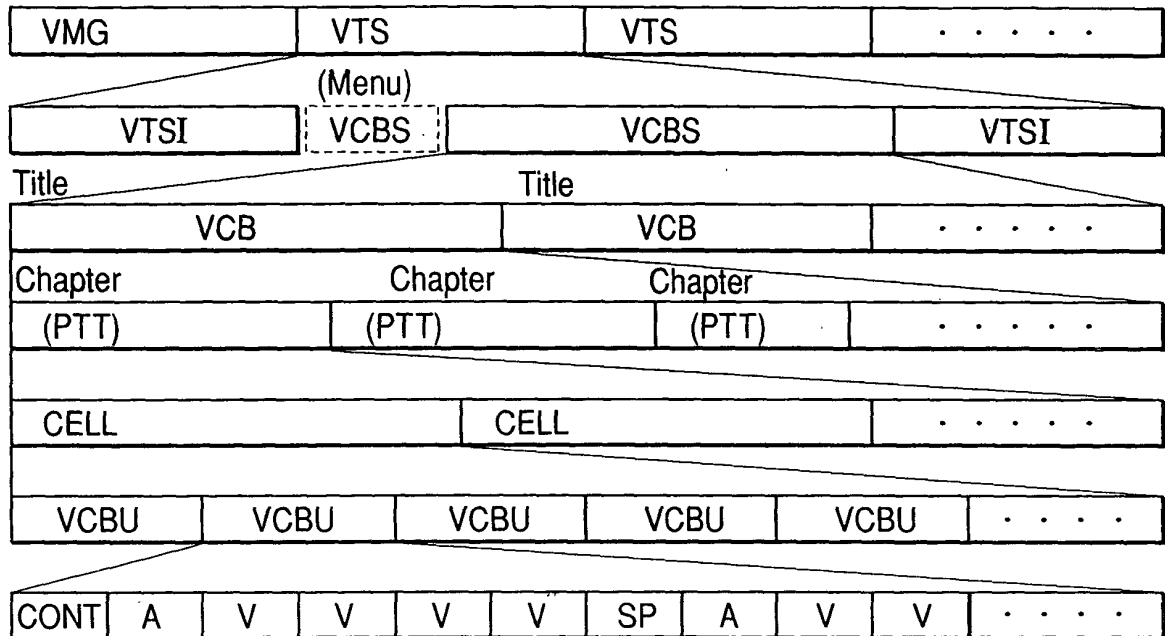
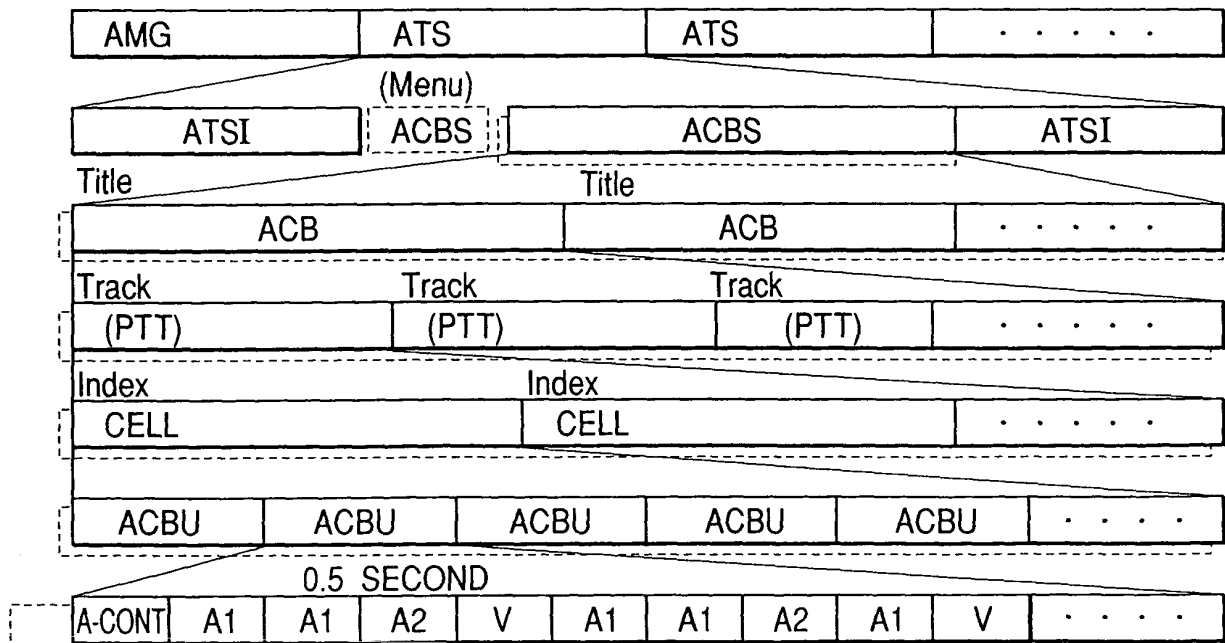
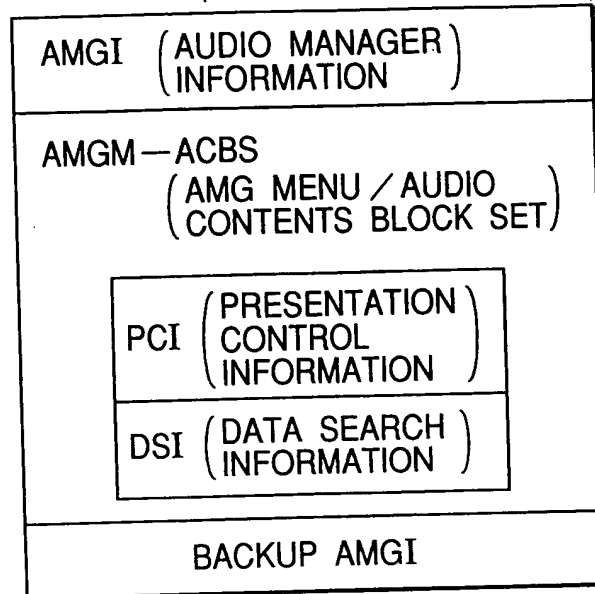


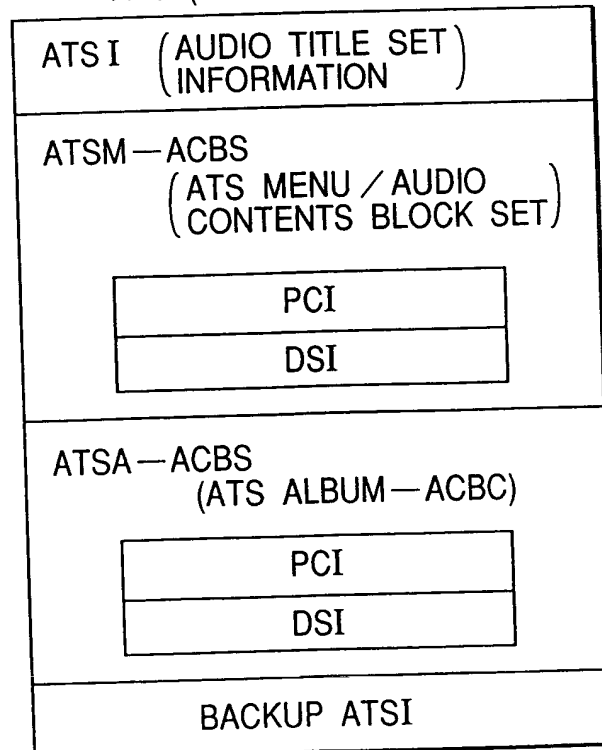
**FIG. 1****FIG. 2**

**FIG. 3**

AMG (AUDIO MANAGER)

**FIG. 4**

ATS (AUDIO TITLE SET)



**FIG. 5**

AMGI (AUDIO MANAGER)  
(INFORMATION)

AMGI — MAT (AMGI MANAGEMENT TABLE)
T — SRPT (TITLE SEARCH POINTER TABLE)
AMGM — PGC I — UT (AUDIO MANAGER MENU) PGC I UNIT TABLE
PTL — MAIT (PARENTAL MANAGEMENT) INFORMATION TABLE
ATS — ATRT (AUDIO TITLE SET ATTRIBUTE TABLE)
TXTDT — MG (TEXT DATA MANAGER)
AMGM — C — ADT (AMGM CELL ADDRESS TABLE)
AMGM — ACBU — ADMAP (AMGM — ACBU — ADDRESS MAP)

**FIG. 6**

ATS—ATRT (AUDIO TITLE SET  
ATTRIBUTE TABLE)

	ATS—ATRTI (ATS—ATRT INFORMATION)
n {	ATS—ATR—SRP#1 (ATS#1—AAS—ATR) (SEARCH POINTER)
n {	ATS—ATR—SRP#n
	ATS—ATR#1 (ATS#1—AAS ATTRIBUTE)
	ATS—ATR#n

**FIG. 7**

ATS—ATR (ATS ATTRIBUTE)

ATS—ATR—EA (END ADDRESS)	4 BYTES
ATS—CAT (CATEGORY)	4 BYTES
ATS—ATR I (ATS—ATR INFORMATION)	768 BYTES

**FIG. 8**

ATSI (AUDIO TITLE SET  
INFORMATION)

ATSI—MAT (ATSI MANAGEMENT TABLE)
ATS—PTT—SRPT (ATS PART OF TITLE SEARCH POINTER TABLE)
ATS—PGCIT (ATS PROGRAM CHAIN INFORMATION TABLE)
ATSM—PGCI—UT (ATS MENU PROGRAM CHAIN UNIT TABLE)
ATS—TMAPT (ATS TIME MAP TABLE)
ATSM—C—ADT (ATS MENU CELL ADDRESS TABLE)
ATSM—ACBU—ADMAP (ATS MENU ACBU ADDRESS MAP)
ATS—C—ADT (ATS CELL ADDRESS TABLE)
ATS—ACBU—ADMAP (ATS—ACBU—ADDRESS MAP)

**FIG. 9**

ATSI — MAT  
(ATSI MANAGEMENT TABLE)

ATS — ID (IDENTIFIER)	
ATS — EA (END ADDRESS)	
ATSI — EA	
VERN (VERSION NUMBER)	
ATS — CAT (CATEGORY)	
ATSI — MAT — EA	
ATSM — ACBS — SA (START ADDRESS)	
ATSA — ACBS — SA	
ATS — PTT — SRPT — SA	
ATS — PGCIT — SA	
ATSM — PGCIT — UT — SA	
ATS — TMAPT — SA	
ATSM — C — ADT — SA	
ATSM — ACBU — ADMAP — SA	
~~~~~	
ATSM — AST — ATR ( ATSM AUDIO STREAM ) ATTRIBUTE	
ATS — AST — Ns (ATS AUDIO STREAM NUMBER)	
ATS — AST — ATRT ( ATS AUDIO STREAM ) ATTRIBUTE TABLE	

**FIG. 10**

ATSM—AST—ATR (AUDIO TITLE SET MENU AUDIO)  
STREAM ATTRIBUTE DATA

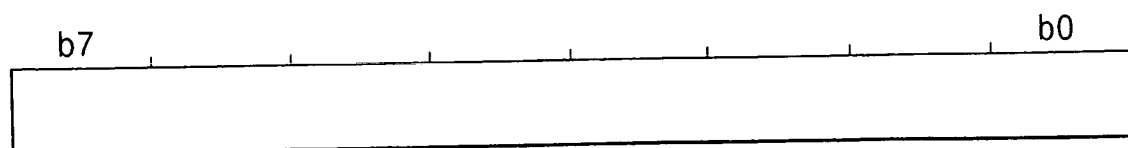
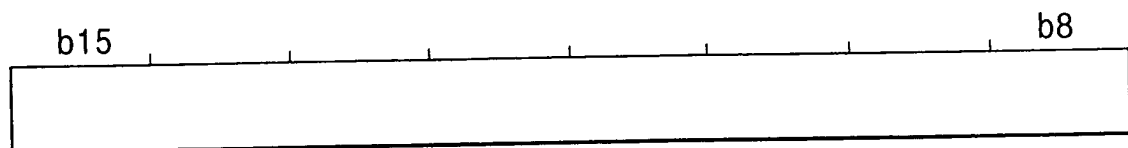
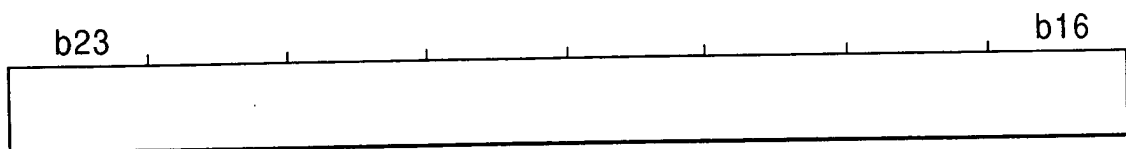
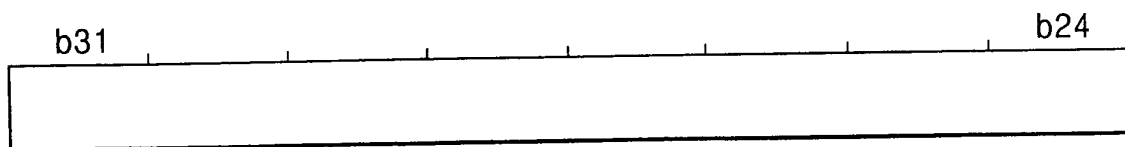
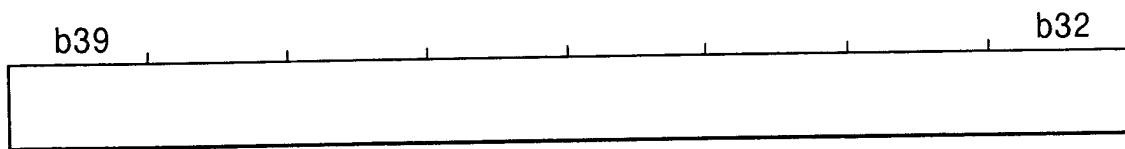
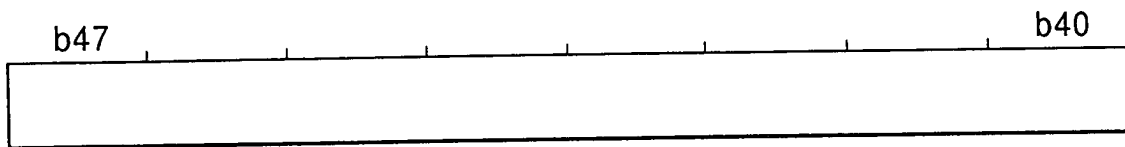
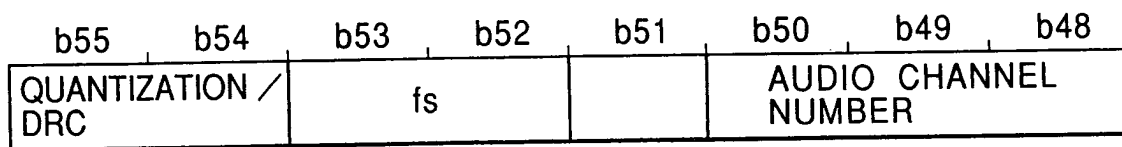
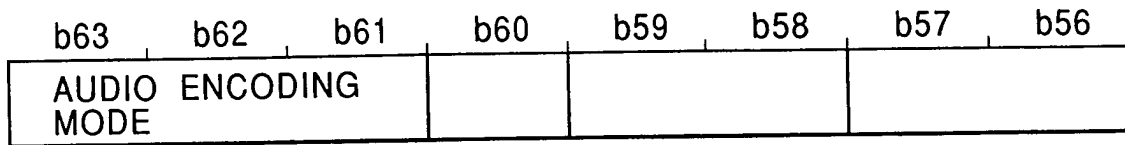


FIG. 11

ATS—AST—ATRT			
AUDIO STREAM	(AST) #0	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #1	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #2	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #3	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #4	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #5	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #6	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #7	ATS—AST—ATR	8 BYTES



b63	b62	b61	b60	b59	b58	b57	b56
AUDIO ENCODING MODE			ME	AUDIO TYPE		AUDIO APPLICATION MODE	

b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZATION / DRC	fs				AUDIO CHANNEL NUMBER		


b47	b46	b45	b44	b40
AST THINNING	LFE THINNING			

b39 \_\_\_\_\_ b32

b31 b24

b23 b16

b15 b8

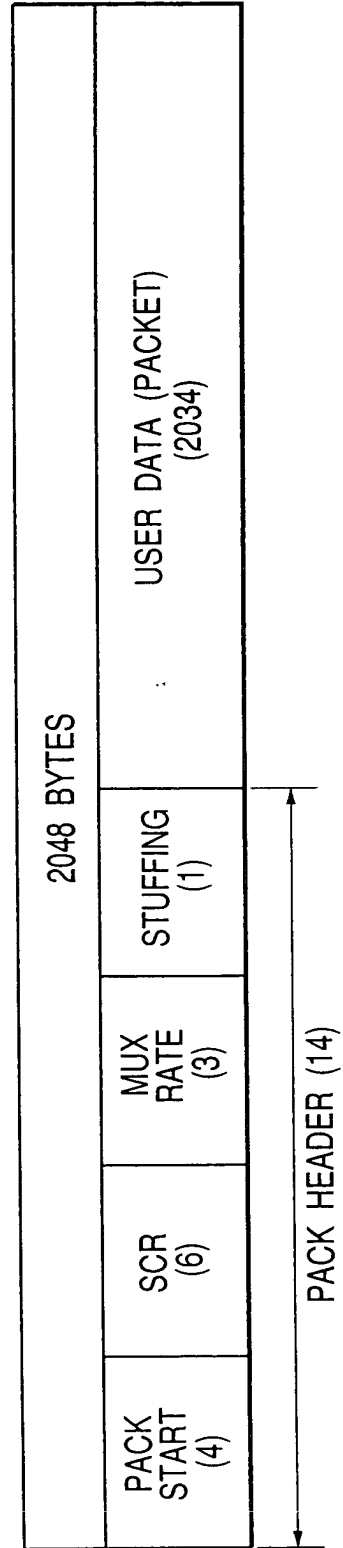


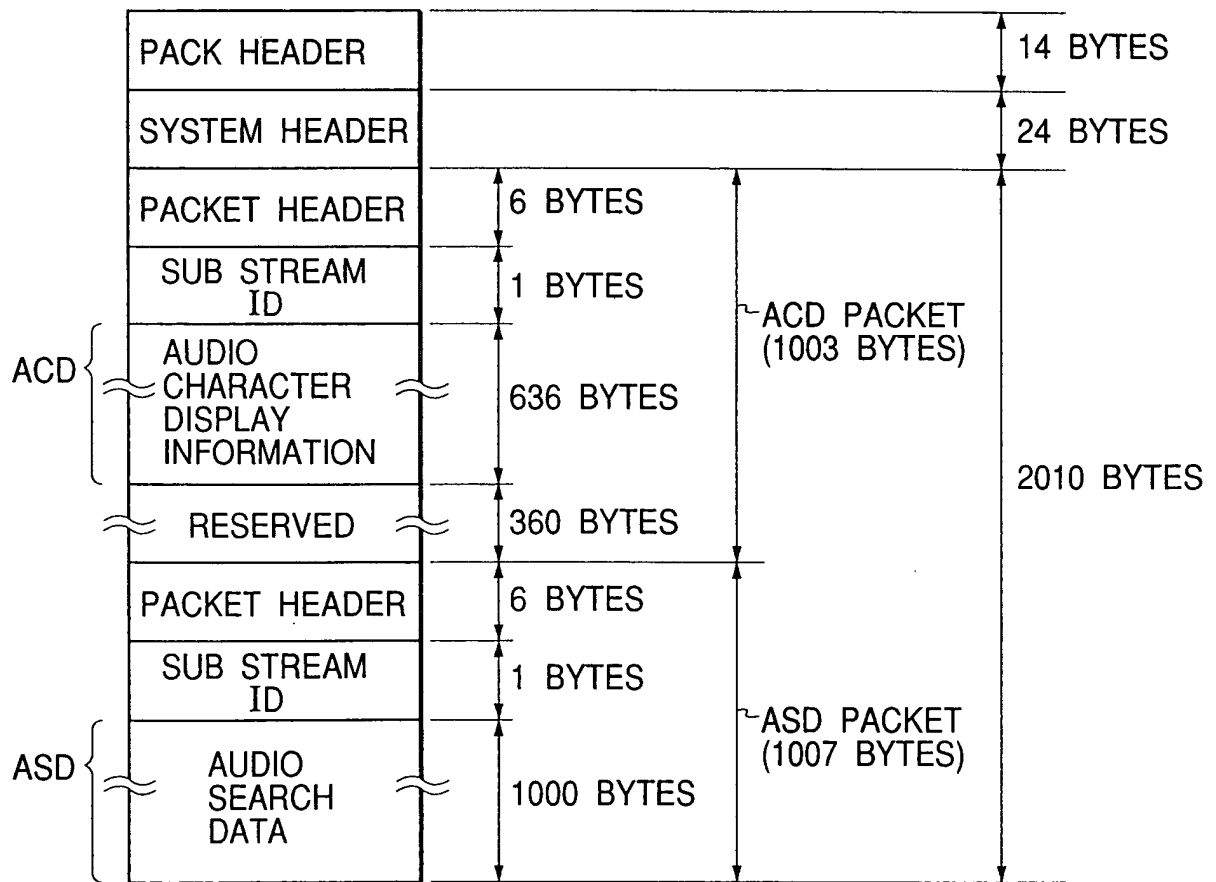
b7 b0



FIG. 14

AUDIO PACK (VIDEO PACK)



**FIG. 15****AUDIO CONTROL PACK (2048 BYTES)**

**FIG. 16**

ACD (636 BYTES)

GENERAL INFORMATION	48 BYTES	
NAME SPACE	93 BYTES	93 BYTES
FREE SPACE 1	93 BYTES	93 BYTES
FREE SPACE 2	93 BYTES	93 BYTES
DATA POINTER	15 BYTES	15 BYTES
TOTAL	294 BYTES	294 BYTES

FIRST  
LANGUAGE

SECOND  
LANGUAGE

**FIG. 17**

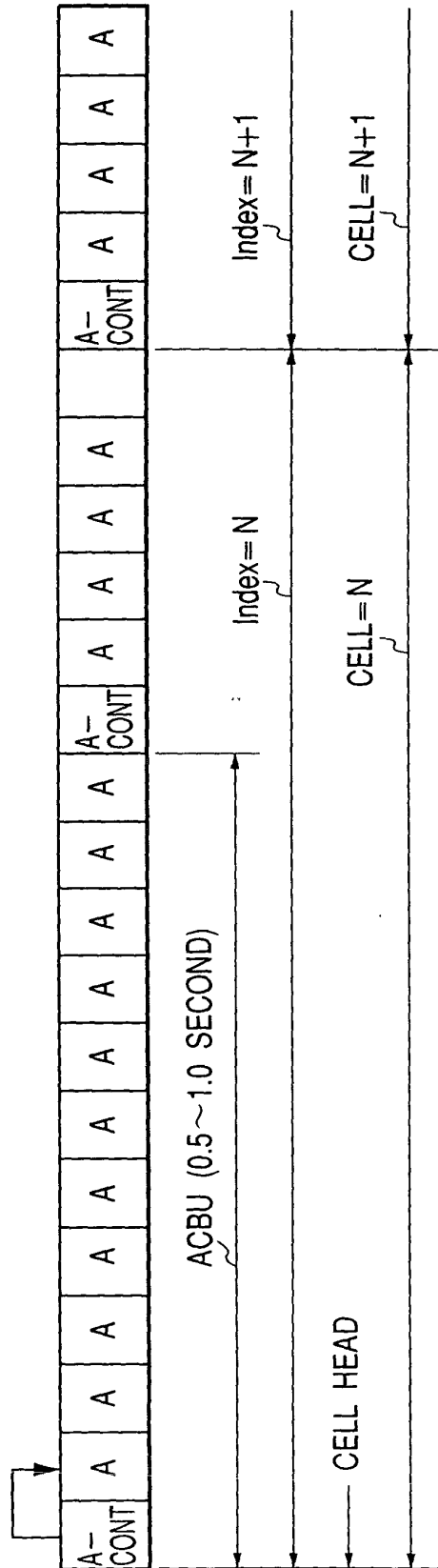
キョクモクカイセツ  
前作のエディング曲  
" FORGET-ME-NOT "

**FIG. 18**

ASD (1000 BYTES)

GENERAL	16 BYTES
PRESENT NUMBER	8 BYTES
PRESENT TIME	16 BYTES
TITLE SET SEARCH	8 BYTES
TITLE SEARCH	8 BYTES
TRACK SEARCH	404 BYTES
INDEX SEARCH	408 BYTES
HIGHLIGHT SEARCH	80 BYTES
RESERVED	52 BYTES

FIG. 19



**FIG. 20**

	2CH (STEREO)	6CH	8CH	Mbps	TIME (MIN)	ABOVE 80MIN
2ch	48khz /16bit (1.536Mbps)			1.536	387	*
	48khz /20bit (1.920Mbps)			1.920	310	*
	48khz /24bit (2.304Mbps)			2.304	258	*
	96khz /16bit (3.072Mbps)			3.072	194	*
	96khz /20bit (3.804Mbps)			3.804	156	*
	96khz /24bit (4.608Mbps)			4.608	129	*
	192khz /16bit (6.144Mbps)			6.144	97	*
	192khz /20bit (7.680Mbps)			7.680	78	
	192khz /24bit (9.216Mbps)			9.216	65	
2+6ch	48khz /16bit (1.536Mbps)	48khz /16bit (4.608Mbps) 48khz /20bit (5.760Mbps) 48khz /24bit (6.912Mbps)		6.144 7.296 8.448	97 82 70	* * .
	48khz /20bit (1.920Mbps)	48khz /16bit (4.608Mbps) 48khz /20bit (5.760Mbps) 48khz /24bit (6.912Mbps)		6.528 7.680 8.832	91 78 67	*
	48khz /24bit (2.304Mbps)	48khz /16bit (4.608Mbps) 48khz /20bit (5.760Mbps) 48khz /24bit (6.912Mbps)		6.912 8.064 9.216	86 74 65	*
	96khz /16bit (3.072Mbps)	48khz /16bit (4.608Mbps) 48khz /20bit (5.760Mbps)		7.680 8.832	78 67	
	96khz /20bit (3.840Mbps)	48khz /16bit (4.608Mbps) 48khz /20bit (5.760Mbps)		8.448 9.600	71 62	
	96khz /24bit (4.608Mbps)	48khz /16bit (4.608Mbps)		9.216	65	
	48khz /16bit (1.536Mbps)		48khz /16bit (6.144Mbps) 48khz /20bit (7.680Mbps)	7.680 9.216	78 65	
	48khz /20bit (1.920Mbps)		48khz /16bit (6.144Mbps) 48khz /20bit (7.680Mbps)	8.064 9.600	74 62	
		48khz /16bit (4.608Mbps) 48khz /20bit (5.760Mbps) 48khz /24bit (6.912Mbps) 96khz /16bit (9.216Mbps)		4.608 5.760 6.912 5.216	129 103 86 65	* *
8ch			48khz /16bit (6.144Mbps) 48khz /20bit (7.680Mbps) 48khz /24bit (9.216Mbps)	6.144 7.680 9.216	97 78 65	*



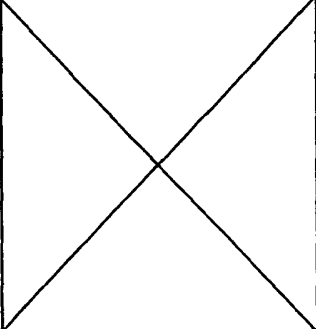
**FIG. 21**

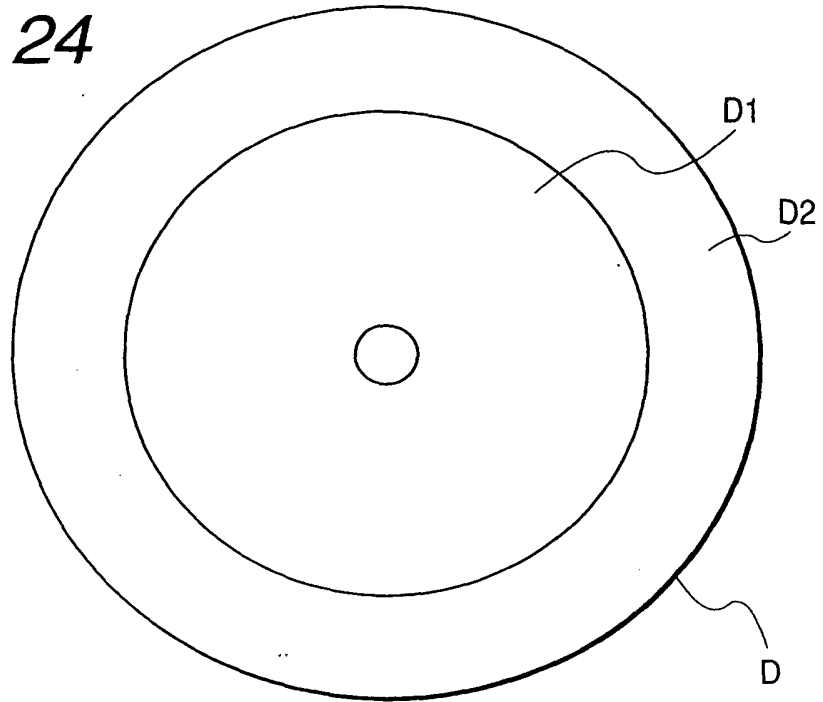
	2CH	FRONT 3CH	REAR 2CH, LFE 1CH	Mbps	TIME
2+6ch	48khz / 16bit (1.536Mbps)	96khz / 16bit (4.608Mbps)	48khz / 16bit (2.304Mbps)	8.448	70
	"	96khz / 20bit (5.760Mbps)	48khz / 16bit (2.304Mbps)	9.6	62
	48khz / 20bit (1.920Mbps)	96khz / 16bit (4.608Mbps)	48khz / 16bit (2.304Mbps)	8.832	67

**FIG. 22**

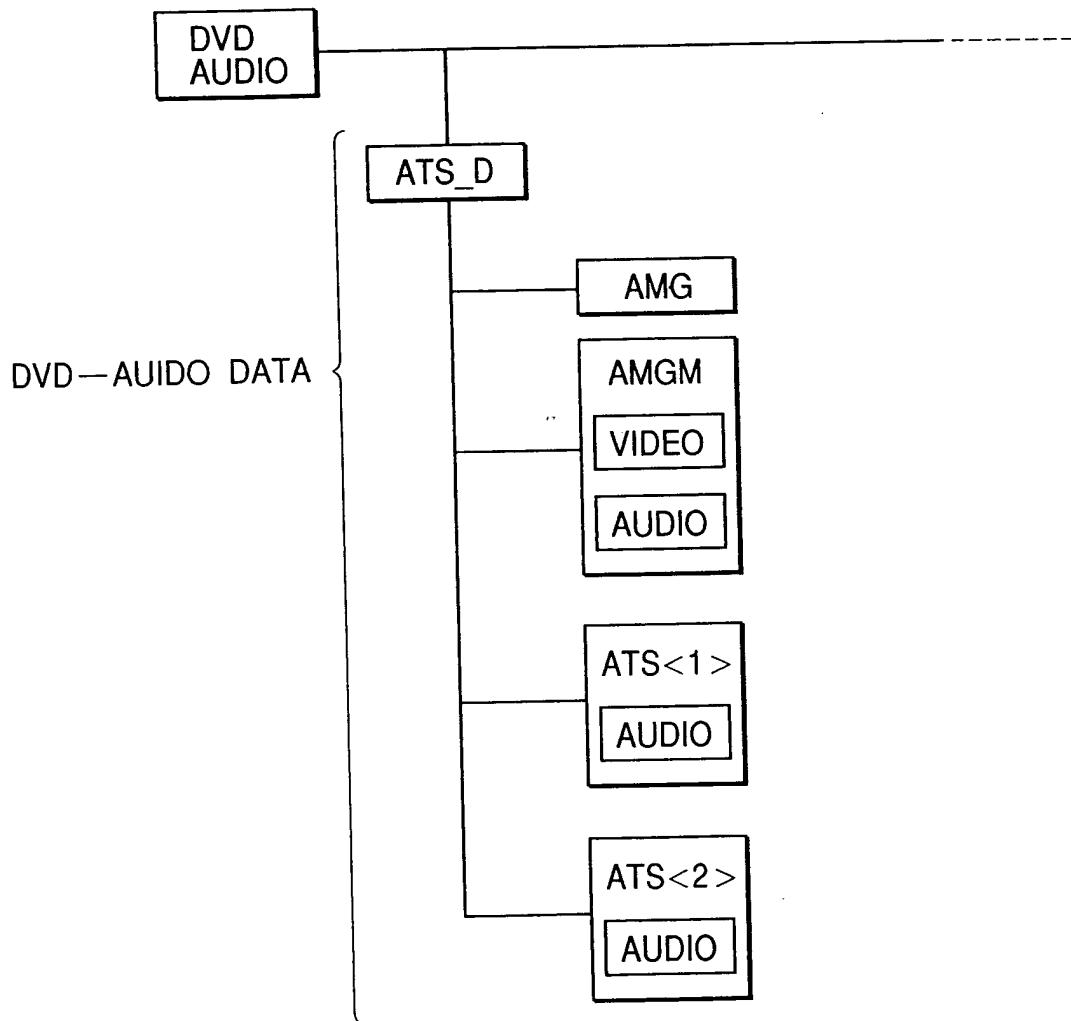
	2CH	FRONT 3CH	REAR 2CH	Mbps	TIME
2+5ch	48khz / 16bit (1.536Mbps)	96khz / 20bit (5.760Mbps)	48khz / 16bit (1.536Mbps)	8.832	67
	48khz / 20bit (1.920Mbps)	96khz / 20bit (5.760Mbps)	48khz / 16bit (1.536Mbps)	9.216	65
	48khz / 20bit (1.920Mbps)	96khz / 20bit (5.760Mbps)	48khz / 20bit (1.920Mbps)	9.6	62

**FIG. 23**

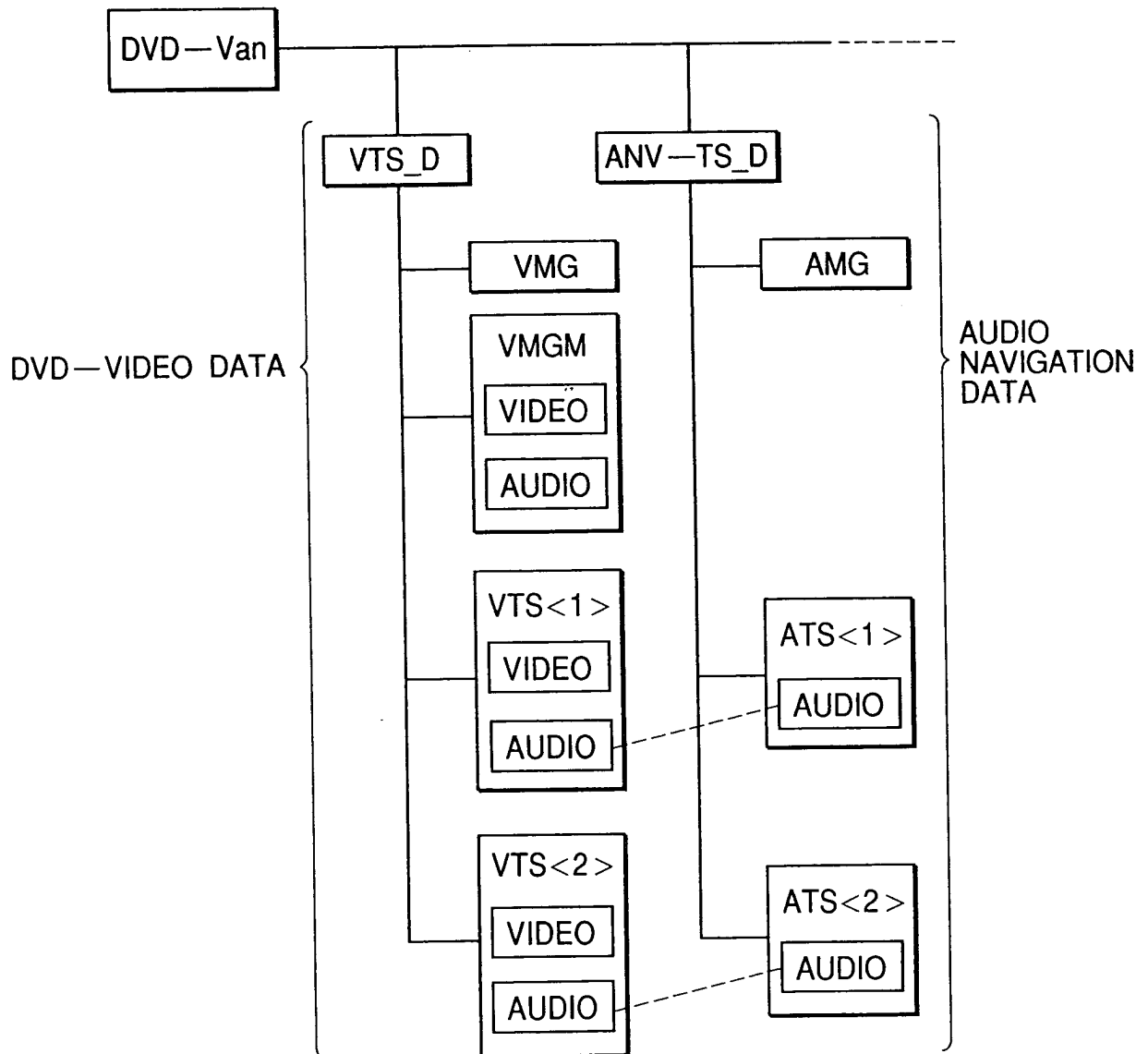
6ch		FRONT 3CH	REAR 2CH, LFE 1CH	Mbps	TIME
		96khz / 16bit (4.608Mbps)	48khz / 16bit (2.304Mbps)	6.912	86
		96khz / 20bit (5.760Mbps)	48khz / 16bit (2.304Mbps)	8.064	74
			48khz / 20bit (2.880Mbps)	8.64	68
			48khz / 24bit (3.456Mbps)	9.216	65
		96khz / 24bit (6.912Mbps)	48khz / 16bit (2.304Mbps)	9.216	65

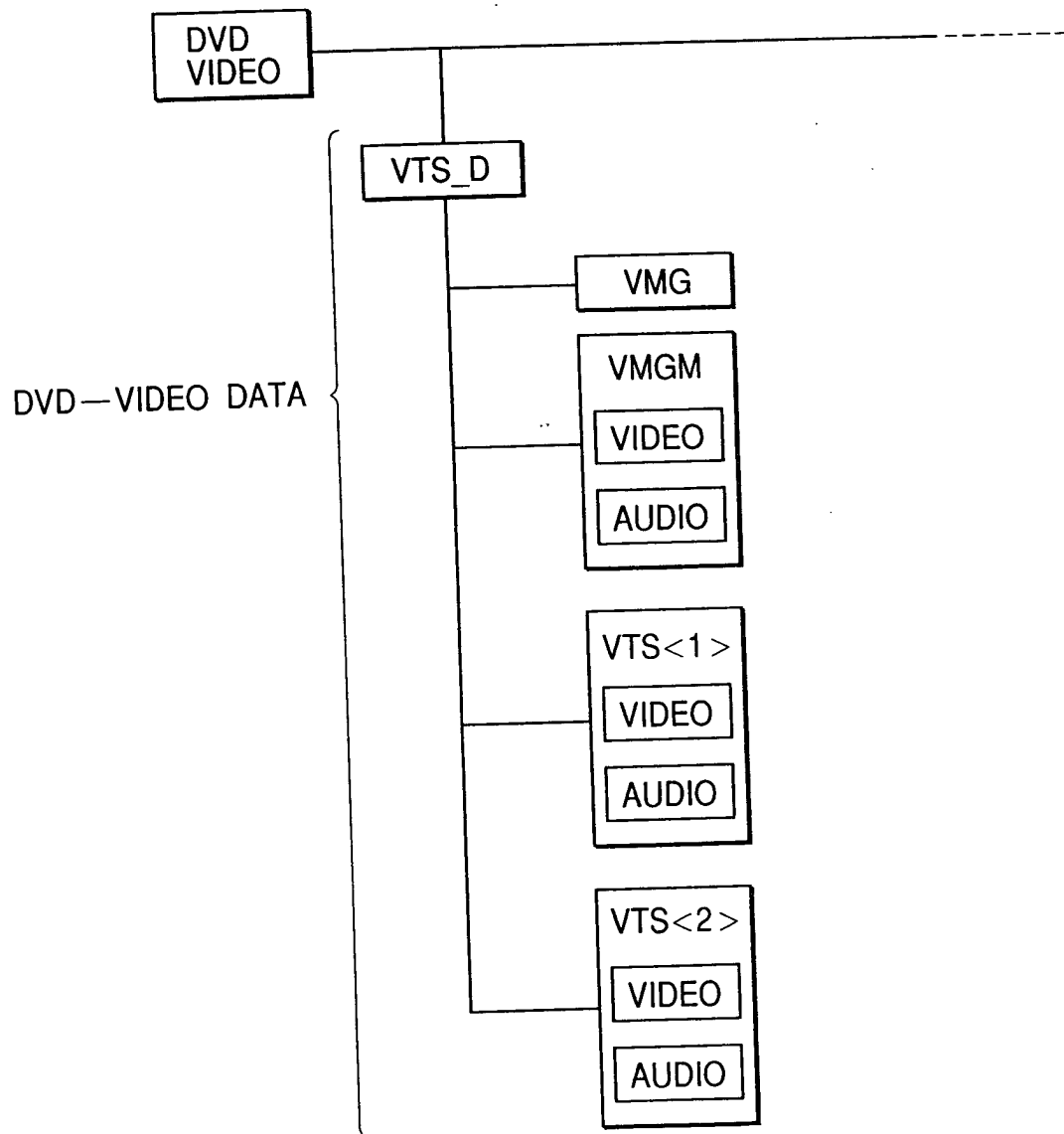
**FIG. 24****FIG. 25**

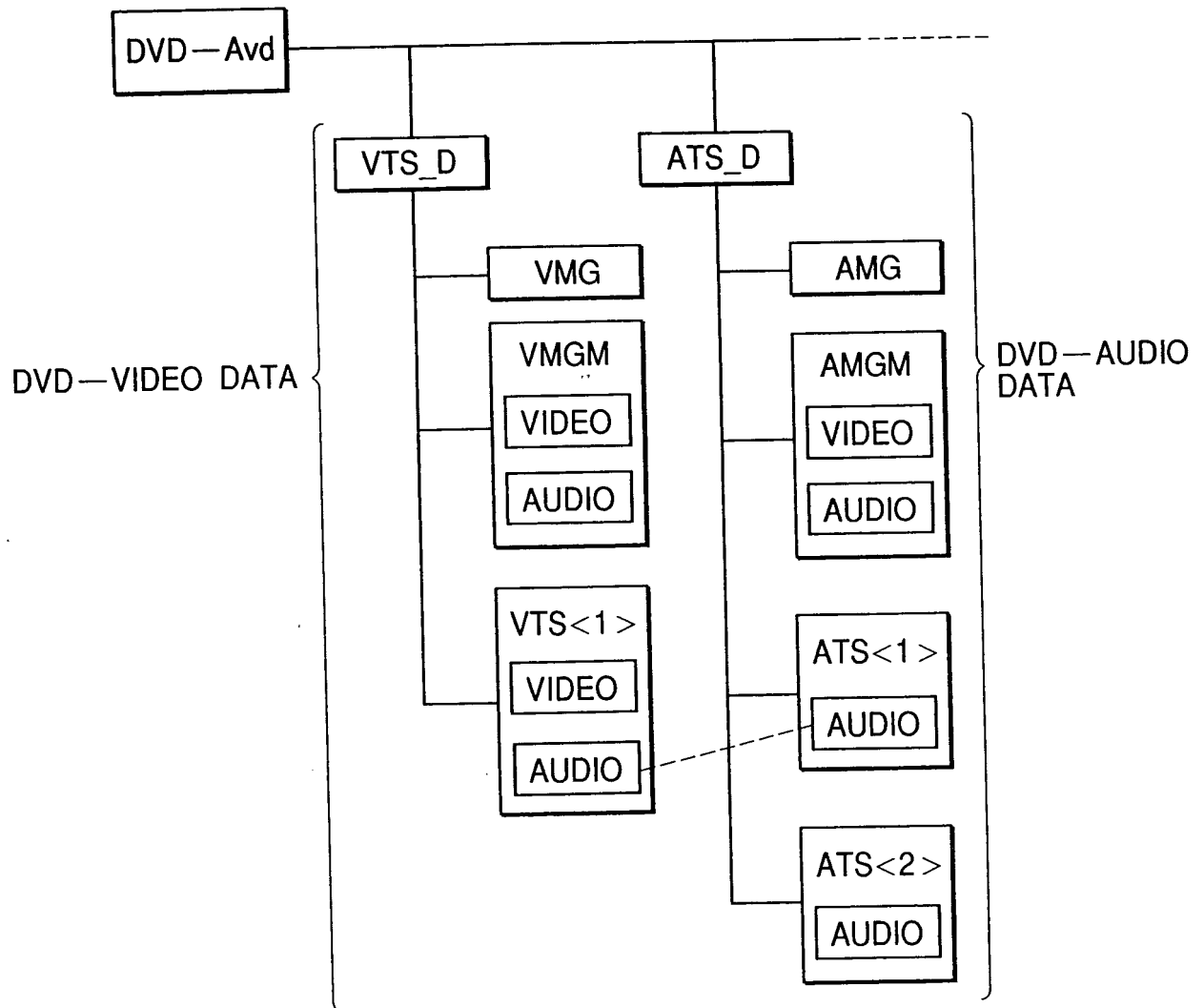
ACD (636 BYTES)	
GENERAL INFORMATION	48 BYTES
NAME SPACE	93 BYTES
FREE SPACE 1	93 BYTES
FREE SPACE 2	93 BYTES
DATA POINTER	15 BYTES
AUDIO REPRODUCTION CONTROL INFORMATION	294 BYTES

*FIG. 26*



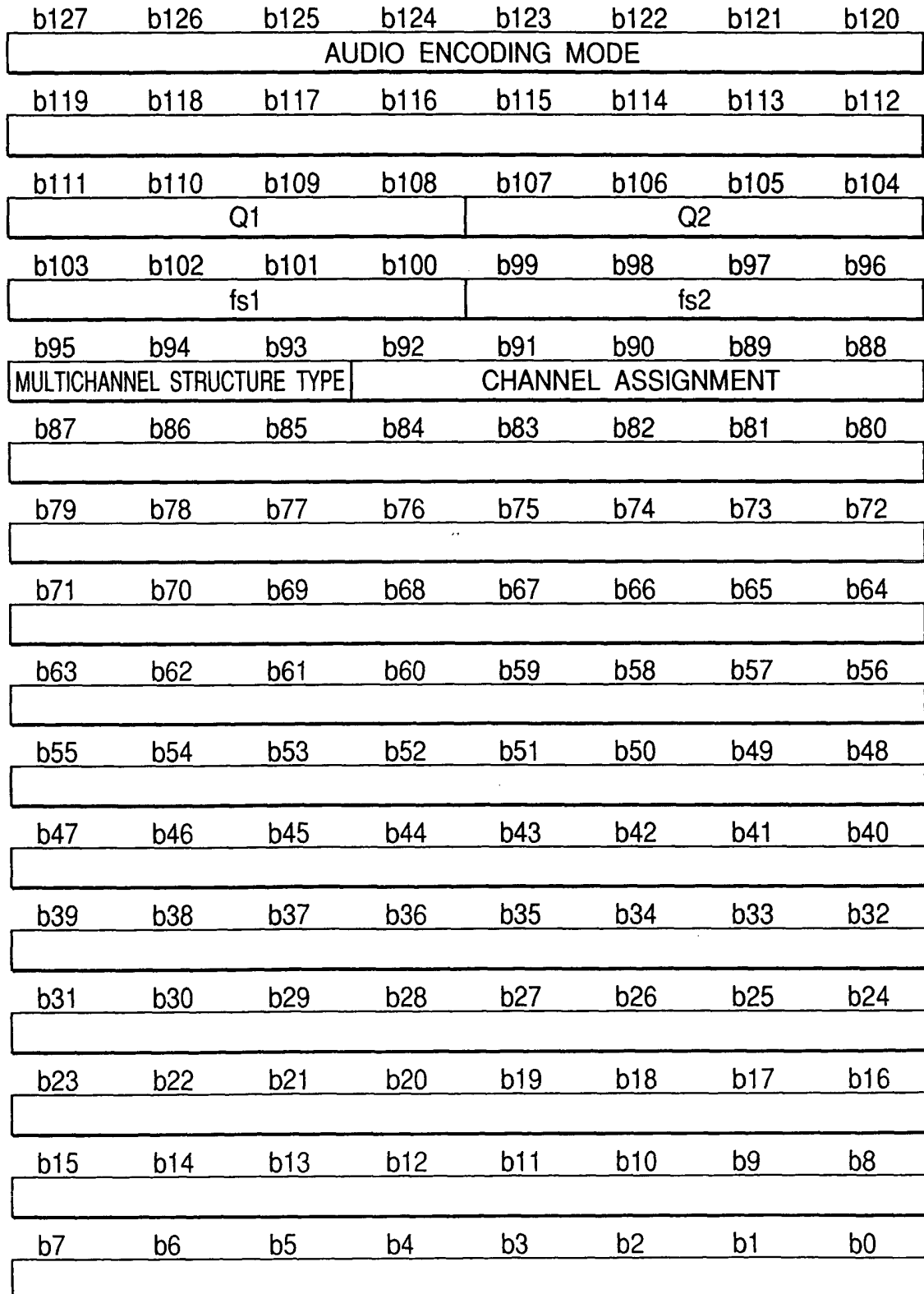
*FIG. 28*

*FIG. 29*

**FIG. 30**

**FIG. 31**

AOTT—AOB—ATR

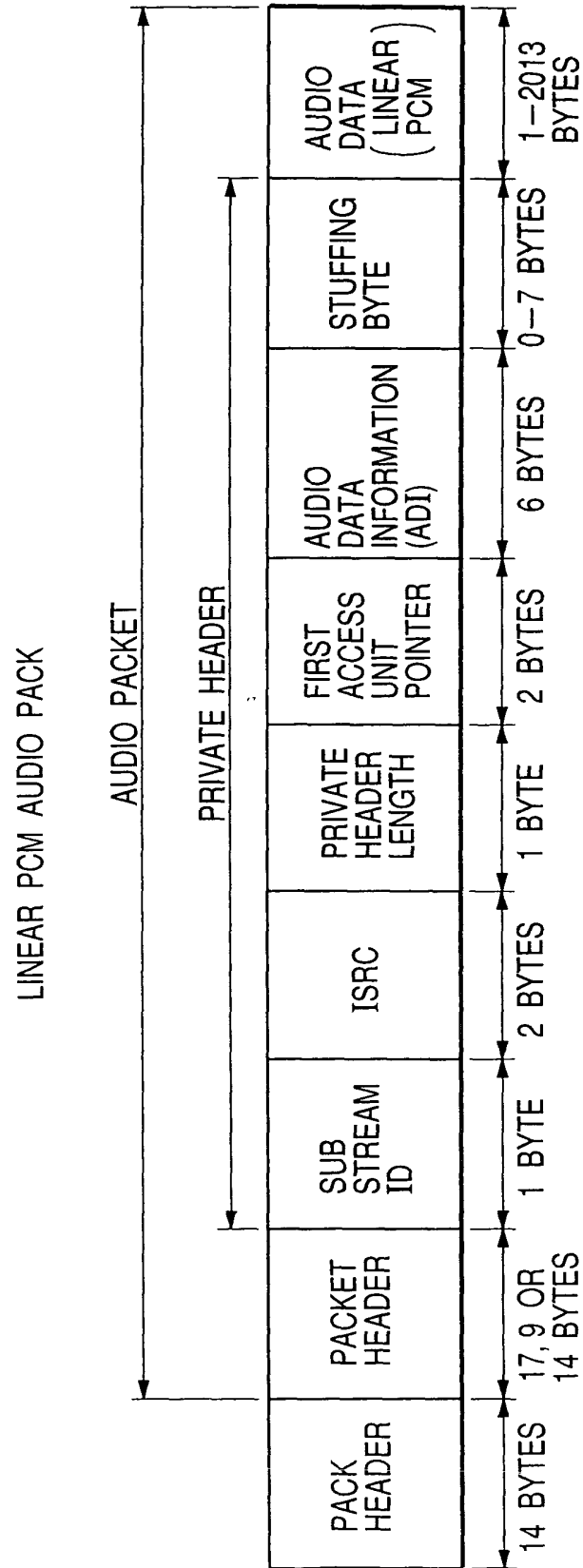




**FIG. 32**

CHANNEL ASSIGNMENT INFORMATION (BIT PATTERN)	CHANNEL STRUCTURE OF GROUPS 1, 2						CHANNEL NUMBER IN GROUP 1	CHANNEL NUMBER IN GROUP 2
	ACH0	ACH1	ACH2	ACH3	ACH4	ACH5		
00000b	C(mono)	none	none	none	none	none	1	0
00001b	L	R	none	none	none	none	2	0
00010b	Lf	Rf	S	none	none	none	2	1
00011b	Lf	Rf	Ls	Rs	none	none	2	2
00100b	Lf	Rf	LFE	none	none	none	2	1
00101b	Lf	Rf	LFE	S	none	none	2	2
00110b	Lf	Rf	LFE	Ls	Rs	none	2	3
00111b	Lf	Rf	C	none	none	none	2	1
01000b	Lf	Rf	C	S	none	none	2	2
01001b	Lf	Rf	C	Ls	Rs	none	2	3
01010b	Lf	Rf	C	LFE	none	none	2	2
01011b	Lf	Rf	C	LFE	S	none	2	3
01100b	Lf	Rf	C	LFE	Ls	Rs	2	4
01101b	Lf	Rf	C	S	none	none	3	1
01110b	Lf	Rf	C	Ls	Rs	none	3	2
01111b	Lf	Rf	C	LFE	none	none	3	1
10000b	Lf	Rf	C	LFE	S	none	3	2
10001b	Lf	Rf	C	LFE	Ls	Rs	3	3
10010b	Lf	Rf	Ls	Rs	LFE	none	4	1
10011b	Lf	Rf	Ls	Rs	C	none	4	1
10100b	Lf	Rf	Ls	Rs	C	LFE	4	2
OTHERS	RESERVED							
CHANNEL GROUP 1				CHANNEL GROUP 2				

FIG. 33



**FIG. 34**

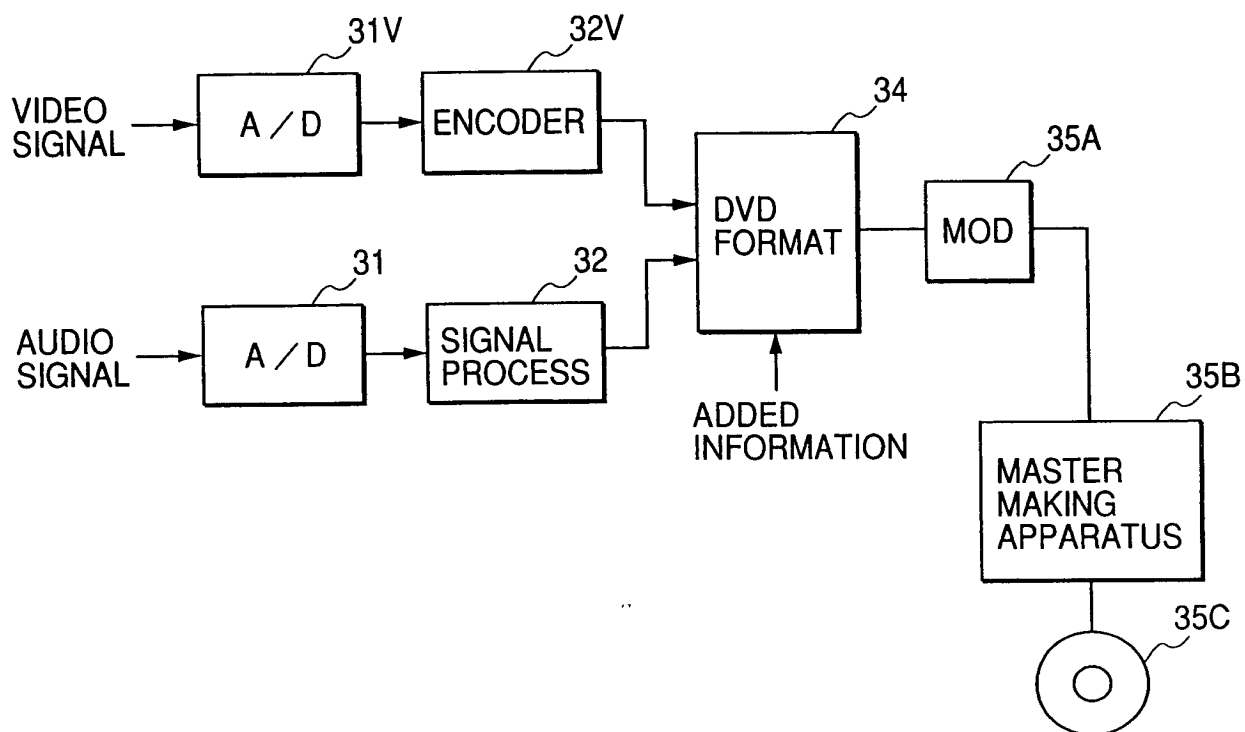
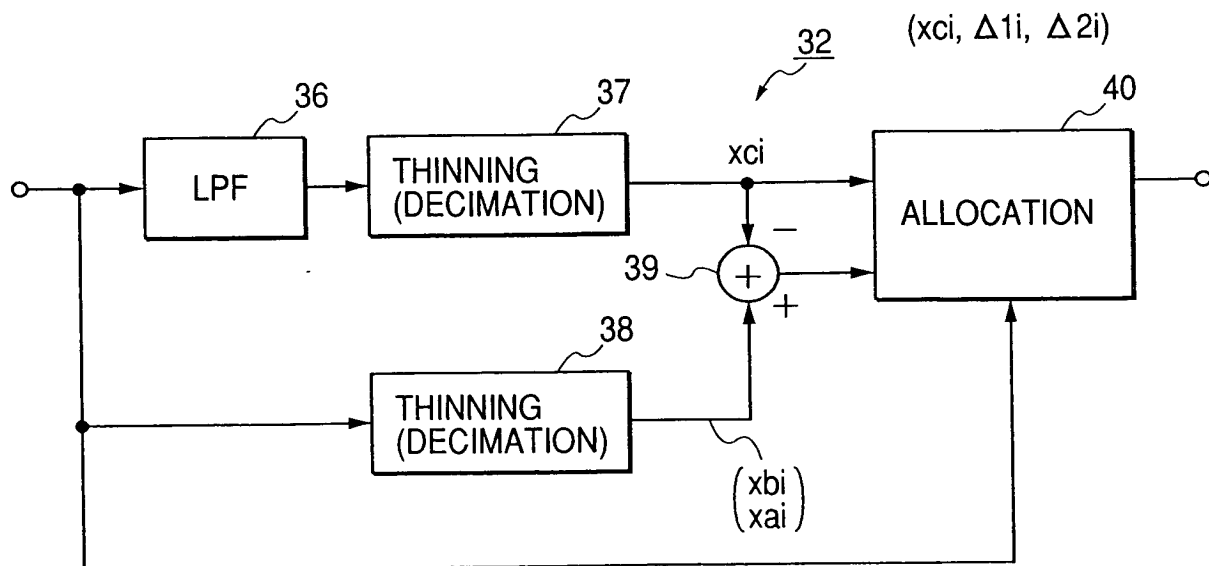
## LINEAR PCM PRIVATE HEADER

FILED		BIT NUMBER	BYTE NUMBER
SUB STREAM ID		8	1
RESERVED		4	2
ISRC NUMBER		4	
ISRC DATA		8	
PRIVATE HEADER LENGTH		8	1
FIRST ACCESS UNIT POINTER		16	2
ADI	AUDIO EMPHASIS FLAG	1	1
	RESERVED	1	
	RESERVED	2	
	DOWN MIX CODE	4	
	QUANTIZATION WORD LENGTH 1	4	1
	QUANTIZATION WORD LENGTH 2	4	
	AUDIO SAMPLING FREQUENCY $f_s$ 1	4	1
	AUDIO SAMPLING FREQUENCY $f_s$ 2	4	
	RESERVED	4	1
	MULTICHANNEL TYPE	4	
	RESERVED	3	1
	CHANNEL ASSIGNMENT	5	
DYNAMIC RANGE CONTROL		8	1
STUFFING BYTE		—	0—7

**FIG. 35**

AOTT—VOB—AST—ATR

b127	b126	b125	b124	b123	b122	b121	b120
AUDIO ENCODING MODE							
b119	b118	b117	b116	b115	b114	b113	b112
b111	b110	b109	b108	b107	b106	b105	b104
Q							
b103	b102	b101	b100	b99	b98	b97	b96
fs							
b95	b94	b93	b92	b91	b90	b89	b88
MULTICHANNEL STRUCTURE TYPE			CHANNEL ASSIGNMENT				
b87	b86	b85	b84	b83	b82	b81	b80
DECODING AUDIO STREAM NUMBER							
b79	b78	b77	b76	b75	b74	b73	b72
MPEG AUDIO DRC				COMPRESSION AUDIO CHANNEL NUMBER			
b71	b70	b69	b68	b67	b66	b65	b64
b63	b62	b61	b60	b59	b58	b57	b56
b55	b54	b53	b52	b51	b50	b49	b48
b47	b46	b45	b44	b43	b42	b41	b40
b39	b38	b37	b36	b35	b34	b33	b32
b31	b30	b29	b28	b27	b26	b25	b24
b23	b22	b21	b20	b19	b18	b17	b16
b15	b14	b13	b12	b11	b10	b9	b8
b7	b6	b5	b4	b3	b2	b1	b0

**FIG. 36****FIG. 37**

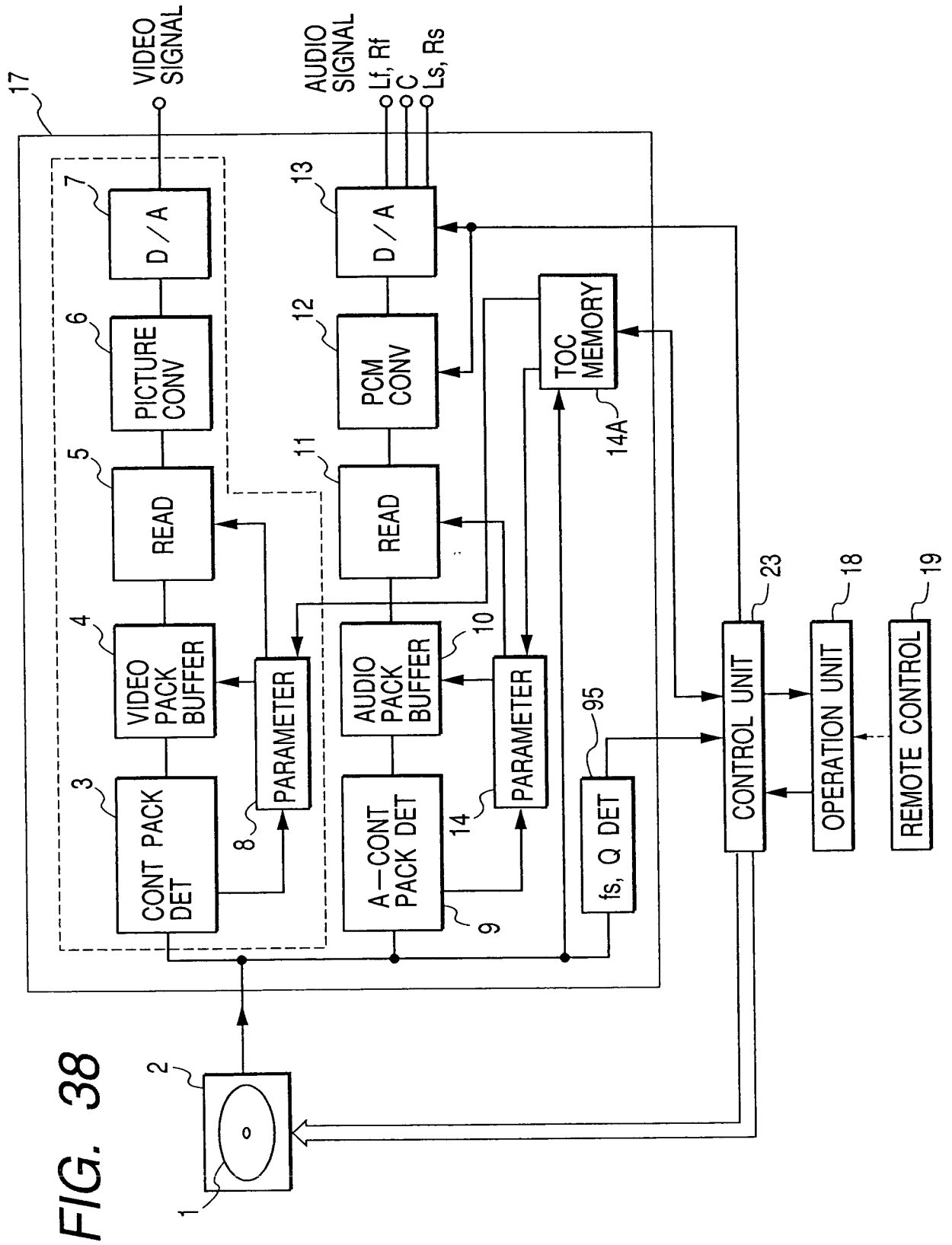
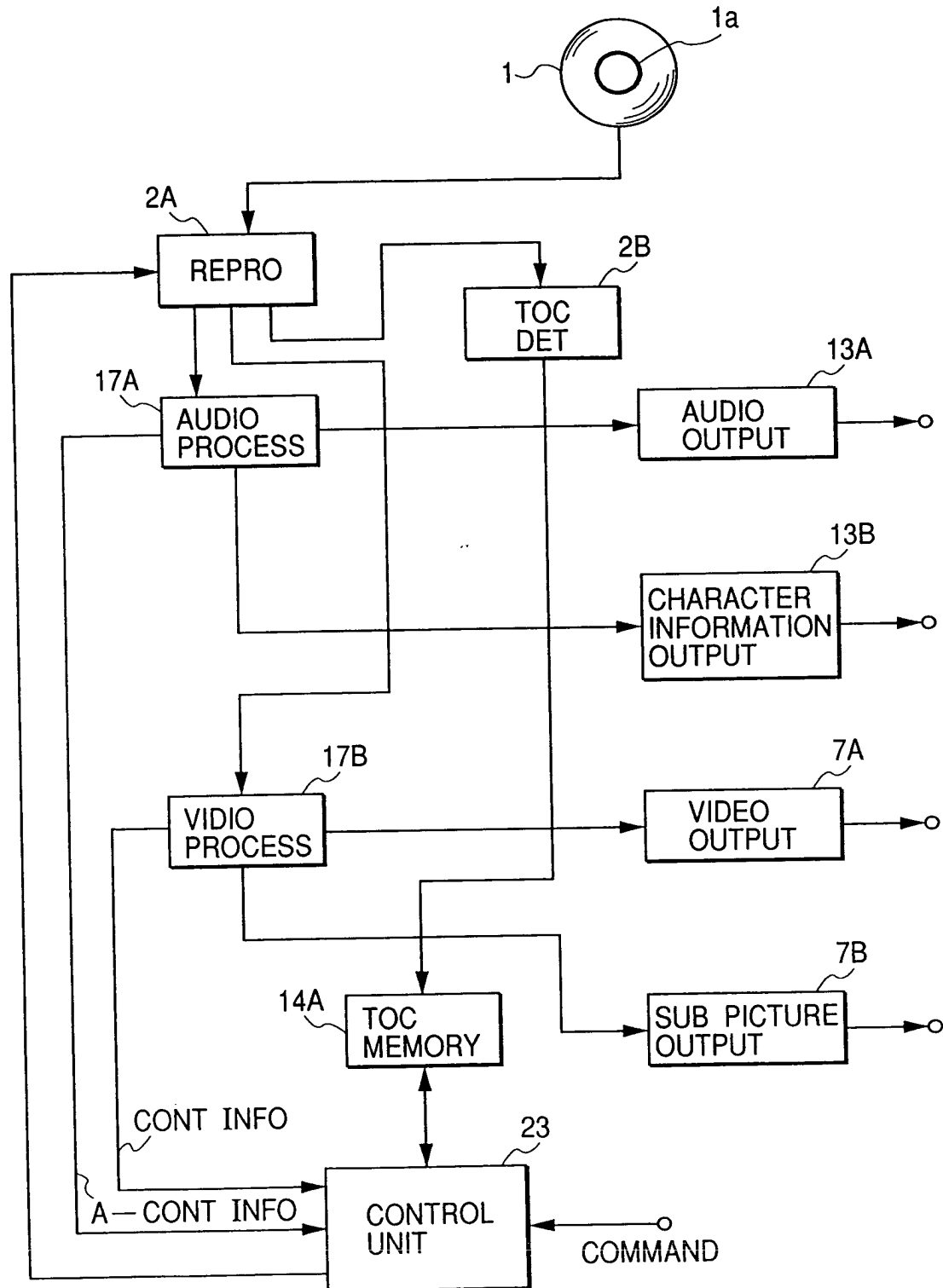


FIG. 39



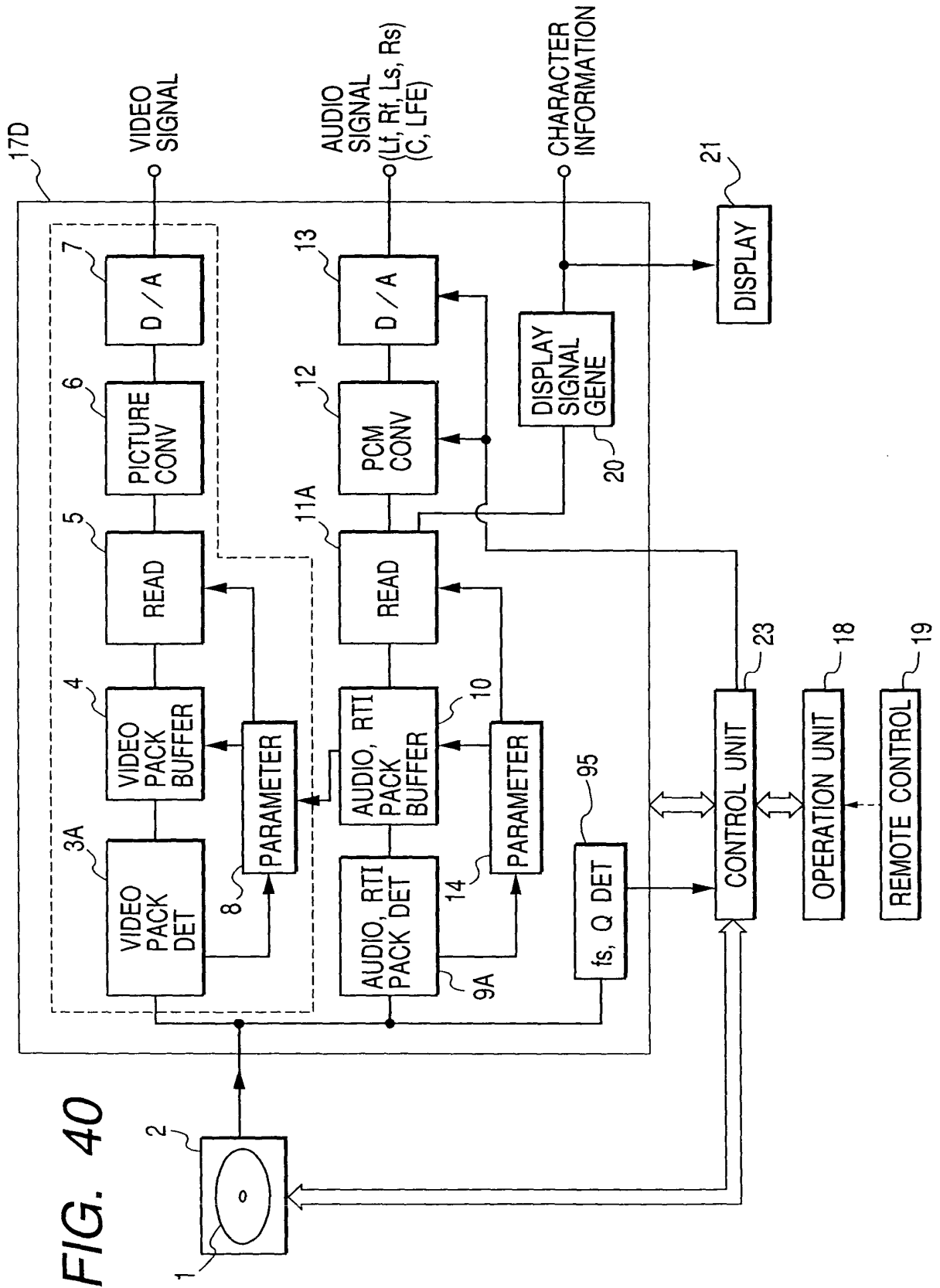




FIG. 41

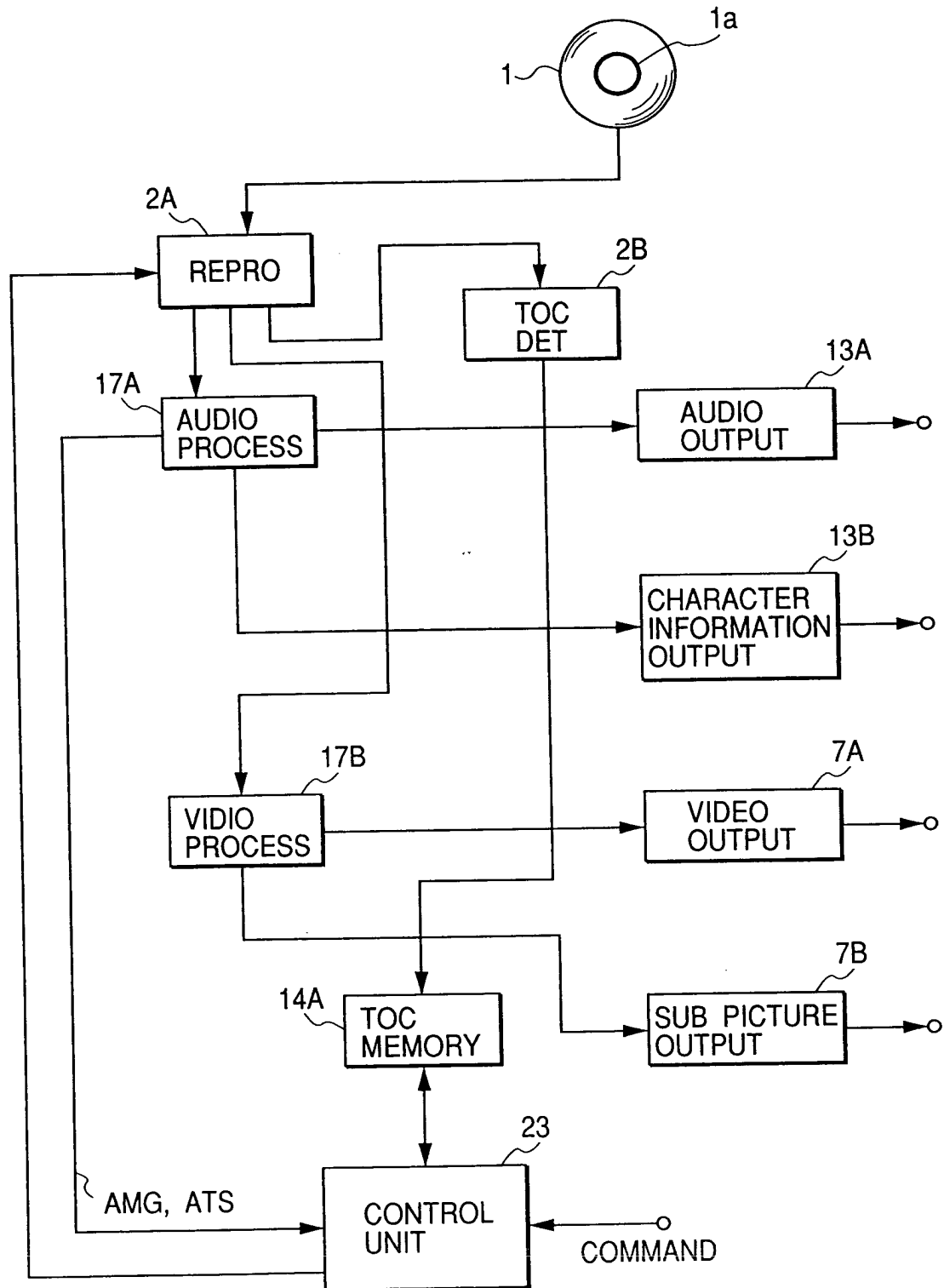




FIG. 43

